



PATENT

Client-Matter No.: 66661-036 (P-IS 4988)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Ideker and Hood )  
Serial No: 09/993,312 )  
Filed: November 13, 2001 )  
For: MULTIPARAMETER INTEGRATION )  
METHODS FOR THE ANALYSIS )  
OF BIOLOGICAL NETWORKS )

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PRELIMINARY AMENDMENT

This Preliminary Amendment is filed in connection with the above-identified patent application, which claims the benefit of priority to U.S. Provisional Application No. 60/248,257, filed November 14, 2000, and U.S. Provisional Application No. 60/266,038, filed February 2, 2001. Entry of the amendment and consideration of the following remarks is respectfully requested.

AMENDMENTS

In the specification:

Please replace Table 1 on pages 110 to 113, with the following replacement Table 1, which shows changes made relative to the immediate prior version by underlining of added text.

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**Table 1: Gal4p binding-site predictions**

Cluster	Gene	Upstream position (+/- strand)	Core similarity score	Matrix similarity score	Sequence
1	GAL1	456(+)	1.000	0.840	GTACGGATTAG AAGCCGCCGAG C (SEQ ID NO:1)
1	GAL1	437(+)	1.000	0.880	GAGCGGGCGAC AGCCCTCCGAC G (SEQ ID NO:2)
1	GAL1	419(+)	0.875	0.920	CGACGGAAGAC TCTCCTCCGTG C (SEQ ID NO:3)
1	GAL1	355(+)	1.000	0.860	CCTCGCGCCGC ACTGCTCCGAA C (SEQ ID NO:4)
1	GAL10	336(-)	1.000	0.860	CCTCGCGCCGC ACTGCTCCGAA C (SEQ ID NO:4)

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1	GAL10	272 (-)	0.875	0.920	CGACGGAAGAC TCTCCTCCGTG C (SEQ ID NO:5)
1	GAL10	254 (-)	1.000	0.880	GAGCGGGCGAC AGCCCTCCGAC G (SEQ ID NO:6)
1	GAL10	235 (-)	1.000	0.840	GTACGGATTAG AAGCCGCCGAG C (SEQ ID NO:7)
1	GAL7	282 (-)	1.000	0.870	CTTCGCTCAAC AGTGCTCCGAA G (SEQ ID NO:8)
1	GAL7	195 (-)	1.000	0.924	TCACGGTCAAC AGTTGTCCGAG C (SEQ ID NO:9)
1	GAL7	188 (+)	1.000	0.848	CAACTGTTGAC CGTGATCCGAA G (SEQ ID NO:10)
1	GCY1	372 (-)	1.000	0.828	CCCCGGAATAG TCTGCCCCGAT T (SEQ ID NO:11)

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1	PCL10	235 (-)	1.000	0.905	GATCGGTGCAA TATACTCCGAG C (SEQ ID NO:12)
1	GAL2	533 (-)	1.000	0.818	TTCCGGAAGGA AGCTTTCCGAA T (SEQ ID NO:13)
1	GAL2	419 (+)	0.875	0.903	CACCGGCGGTC TTTCGTCCGTG C (SEQ ID NO:14)
1	GAL2	400 (-)	0.800	0.825	GAACGGCGCAG ATATCTCCGCA C (SEQ ID NO:15)
1	GAL2	336 (+)	1.000	0.867	TATCGGGGCGG ATCACTCCGAG C (SEQ ID NO:16)
1	GAL2	331 (+)	1.000	0.855	GGGCGGATCAC TCCGAACCGAG A (SEQ ID NO:17)
1	YEL057C	417 (-)	0.875	0.811	CCCCGGACGGC AGCCGCCCCGTC C (SEQ ID NO:18)

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1	YGR090W	381 (-)	0.875	0.819	CAACGGCATGC AGCGAGCCGTA G ( <u>SEQ ID</u> <u>NO:19</u> )
1	YPL066W	101 (+)	1.000	0.856	TCACGGTCATC ACTGCTCCGAC A ( <u>SEQ ID</u> <u>NO:20</u> )
2	GAL3	291 (-)	1.000	0.938	GTTCCGGCACAC AGTGGACCGAA C ( <u>SEQ ID</u> <u>NO:21</u> )
2	GAL80	175 (+)	1.000	0.952	TACCGGCGCAC TCTCGCCCGAA C ( <u>SEQ ID</u> <u>NO:22</u> )
2	YPR194C	624 (-)	1.000	0.814	CGTCGGACAGC AACCCCCGAT T ( <u>SEQ ID</u> <u>NO:23</u> )
2	YMR318C	239 (+)	1.000	0.830	GTCCGGTCCGT CCTTGACCGAA G ( <u>SEQ ID</u> <u>NO:24</u> )
11	RPA49	249 (+)	1.000	0.804	GACCGGACACC TAATCACCGAC G ( <u>SEQ ID</u> <u>NO:25</u> )

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11	YLR201C	143 (-)	1.000	0.812	CTTCCGCCTAA TATAGTCCGAA A (SEQ ID NO:26)
15	YJL045W	524 (-)	1.000	0.804	CGACGGGGAAT TGAACCCCGAT C (SEQ ID NO:27)
15	MBR1	313 (+)	0.800	0.811	GAGCGGCTCCC CTTTCCC CGGAA (SEQ ID NO:28)
15	MRK1	268 (-)	0.725	0.828	CATCGGACGA CTTTGCTCCC AGG (SEQ ID NO:29)
15	YMR031 C	305 (-)	1.000	0.801	TTTTGGGTAA CAGCGGACCG AAG (SEQ ID NO:30)
16	ICL1	407 (+)	1.000	0.810	CCCAGGTTTC CATTCATCCG AGC (SEQ ID NO:31)
16	YLR164 W	243 (+)	1.000	0.836	GATTGGAGTA CCCTTATCCG AAG (SEQ ID NO:32)

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16	YIL057 C	192(+)	0.875	0.867	CGGCGGTTGG CAATCGTCCG TAT (SEQ ID NO:33)
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Regarding the amendment

The amendment to the specification was made to insert sequence identification numbers and accordingly adds no new matter. Therefore, entry of the amendment is respectfully requested.

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CONCLUSION

No fee is deemed necessary in connection with the filing of this Communication. However, if any fee is required, authorization is given to charge the amount of this fee to Deposit Account No. 50-2624. The Examiner is invited to call the undersigned agent or Cathryn Campbell if there are any questions relating to this application.

Respectfully submitted,

September 25, 2003  
Date

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